

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number:

10/766,752B

Source:

FFWJ6

Date Processed by STIC:

2-1-05

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/766,752B

DATE: 02/01/2005

TIME: 12:26:15

Input Set : A:\3033.1008-008 Sequence Listing.txt

Output Set: N:\CRF4\02012005\J766752B.raw

4 <110> APPLICANT: Carney, Darrell H.
 6 <120> TITLE OF INVENTION: Use of Thrombin-Derived Peptides for the
 7 Therapy of Chronic Dermal Ulcers
 10 <130> FILE REFERENCE: 3033.1008-008
 12 <140> CURRENT APPLICATION NUMBER: US 10/766,752B
 13 <141> CURRENT FILING DATE: 2004-01-27
 15 <150> PRIOR APPLICATION NUMBER: PCT/US02/01151
 16 <151> PRIOR FILING DATE: 2002-01-16
 18 <150> PRIOR APPLICATION NUMBER: US 60/308,198
 19 <151> PRIOR FILING DATE: 2001-07-27
 21 <160> NUMBER OF SEQ ID NOS: 9
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 23
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: fragment of human thrombin
 33 <400> SEQUENCE: 1
 34 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Glu Gly
 35 1 5 10 15
 36 Asp Ser Gly Gly Pro Phe Val
 37 20
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 23
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: thrombin peptide derivative
 48 <223> OTHER INFORMATION: Alanine at position 1 is optionally N-acylated
 50 <223> OTHER INFORMATION: Valine at position 23 is optionally C-amidated
 W--> 52 <221> NAME/KEY: VARIANT
 W--> 53 <222> LOCATION: 15
 W--> 54 <223> Xaa = Glu or Gln
 W--> 56 <221> NAME/KEY: VARIANT
 W--> 57 <222> LOCATION: 22
 W--> 58 <223> Xaa = Phe, Met, Leu, His or Val
 W--> 60 <400> 2
 W--> 61 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Xaa Gly
 62 1 5 10 15
 63 Asp Ser Gly Gly Pro Xaa Val
 64 20
 67 <210> SEQ ID NO: 3

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68 <211> LENGTH: 33
 69 <212> TYPE: PRT
 70 <213> ORGANISM: Artificial Sequence
 72 <220> FEATURE:
 73 <223> OTHER INFORMATION: thrombin peptide derivative
 75 <223> OTHER INFORMATION: Aspartic acid at position 1 is optionally
 76 N-Acylated
 78 <223> OTHER INFORMATION: Phenylalanine at position 33 is optionally
 79 C-amidated
 W--> 81 <400> 3
 82 Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly
 83 1 5 10 15
 84 Asp Ala Cys Glu Gly Asp Ser Gly Gly Pro Phe Val Met Lys Ser Pro
 85 20 25 30
 86 Phe
 90 <210> SEQ ID NO: 4
 91 <211> LENGTH: 33
 92 <212> TYPE: PRT
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: thrombin peptide derivative
 98 <223> OTHER INFORMATION: Aspartic acid at position 1 is optionally
 99 N-acylated.
 101 <223> OTHER INFORMATION: Aspartic acid at position 33 is optionally
 102 C-amidated
 W--> 104 <221> NAME/KEY: VARIANT
 W--> 105 <222> LOCATION: 20
 W--> 106 <223> Xaa = Glu or Gln
 W--> 108 <221> NAME/KEY: VARIANT
 W--> 109 <222> LOCATION: 27
 W--> 110 <223> Xaa = Phe, Met, Leu, His or Val
 W--> 112 <400> 4
 113 Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly
 114 1 5 10 15
 W--> 115 Asp Ala Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val Met Lys Ser Pro
 116 20 25 30
 117 Phe
 121 <210> SEQ ID NO: 5
 122 <211> LENGTH: 23
 123 <212> TYPE: PRT
 124 <213> ORGANISM: Artificial Sequence
 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: thrombin peptide derivative
 129 <223> OTHER INFORMATION: Alanine at position 1 is optionally N-acylated
 131 <223> OTHER INFORMATION: Valine at position 23 is optionally C-amidated
 W--> 133 <400> 5
 134 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Glu Gly
 135 1 5 10 15
 136 Asp Ser Gly Gly Pro Phe Val

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Input Set : A:\3033.1008-008 Sequence Listing.txt
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137 20
 140 <210> SEQ ID NO: 6
 141 <211> LENGTH: 23
 142 <212> TYPE: PRT
 143 <213> ORGANISM: Artificial Sequence
 145 <220> FEATURE:
 146 <223> OTHER INFORMATION: thrombin peptide derivative
 148 <223> OTHER INFORMATION: Valine at position 23 is amidated with -NH2
 W--> 150 <400> 6
 151 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Glu Gly
 152 1 5 10 15
 153 Asp Ser Gly Gly Pro Phe Val
 154 20
 157 <210> SEQ ID NO: 7
 158 <211> LENGTH: 4
 159 <212> TYPE: PRT
 160 <213> ORGANISM: Artificial Sequence
 162 <220> FEATURE:
 163 <223> OTHER INFORMATION: fragment of human thrombin
 165 <400> SEQUENCE: 7
 166 Arg Gly Asp Ala
 167 1
 170 <210> SEQ ID NO: 8
 171 <211> LENGTH: 12
 172 <212> TYPE: PRT
 173 <213> ORGANISM: Artificial Sequence
 175 <220> FEATURE:
 176 <223> OTHER INFORMATION: fragment of human thrombin
 178 <400> SEQUENCE: 8
 179 Asp Ala Cys Glu Gly Asp Ser Gly Gly Pro Phe Val
 180 1 5 10
 183 <210> SEQ ID NO: 9
 184 <211> LENGTH: 12
 185 <212> TYPE: PRT
 186 <213> ORGANISM: Artificial Sequence
 188 <220> FEATURE:
 189 <223> OTHER INFORMATION: variant of human thrombin peptide fragment
 W--> 191 <221> NAME/KEY: VARIANT
 192 <222> LOCATION: 2
 193 <223> OTHER INFORMATION: Xaa = Ala or Ser
 W--> 195 <221> VARIANT
 196 <222> LOCATION: 4
 197 <223> OTHER INFORMATION: Xaa = Glu or Gln
 W--> 199 <221> VARIANT
 200 <222> LOCATION: 11
 201 <223> OTHER INFORMATION: Xaa = Phe, Met Leu His or Val
 W--> 203 <400> 9
 W--> 204 Asp Xaa Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val
 205 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/01/2005
PATENT APPLICATION: US/10/766,752B TIME: 12:26:16

Input Set : A:\3033.1008-008 Sequence Listing.txt
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Please Note:

~~Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.~~

Seq#:2; Xaa Pos. 15,22
Seq#:4; Xaa Pos. 20,27
Seq#:9; Xaa Pos. 2,4,11

VERIFICATION SUMMARY

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Input Set : A:\3033.1008-008 Sequence Listing.txt
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L:52 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:53 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:56 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:57 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:58 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:104 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:105 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:106 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:108 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:109 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:112 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
L:133 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:191 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:195 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:199 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:203 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0